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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/538,880	03/30/2000	Meifen Wang	890-003.003	8813

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EXAMINER

LEE, DIANE I

ART UNIT	PAPER NUMBER
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2876

DATE MAILED: 12/08/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/538,880

Applicant(s)

WANG, MEIFEN

Examiner

D. I. Lee

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 10 November 2003.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 5, 6, 9 and 10 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 5, 6 and 10 is/are allowed.
- 6) ☒ Claim(s) 9 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 20 March 2000 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. §§ 119 and 120

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ 6) ☐ Other: _____

DETAILED ACTION

1. Receipt is acknowledged of the Amendment filed 10 November 2003. Claims 1-2 and 7-8 have been canceled; claims 5-6 and 10 have been amended; and no claims have been newly added. Currently, claims 5-6 and 9-10 are pending in this application.

Additional Remarks

2. The previously indicated allowability of claim 9 (i.e., *on-street parking toll arrangement with the specific operating process having the user inputting the mobile phone number through the keypad of the parking meter to activate the system after validated by the telephone company*) and the final Rejection is withdrawn in view of the recognition that Hjelmvik teaches the subject matter of claim 9 (see the Rejection based on Hjelmvik below). Accordingly, **THIS ACTION IS NOT MADE FINAL.**

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. **Claim 9 is rejected under 35 U.S.C. 103(a) as being unpatentable over Zeitman [US 5,940,481] in view of Hjelmvik [WO 99/48062, previously cited by the examiner].**

Zeitman discloses a parking toll system (parking management communication system 10) comprising an on-street parking toll arrangement and a parking lot toll arrangement (see figure 1). The parking management system is achieved through a user interface 20 including a public telephone 22 (i.e., a wired phone), a mobile phone 24, a computer terminal 26 connected to a modem 28 or a computer

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network (not specifically shown) (see col. 3, lines 12+). The communication system includes billing apparatus 30 for billing a user for use of the parking and the telephone account of the user is charged for use of the parking facility, such as charging the user's telephone account, e.g., the bill is included user's phone bill (see col. 1, lines 56+; col. 2, lines 5+; col. 3, lines 23+; and figure 1). Thus the parking arrangement of the Zeitman is achieved through the mobile phone or a wired phone and allows the parking toll to be included in a user's phone bill.

Zeitman teaches the parking reports in the parking facility having a meter-like device with a sensor, a reader, a processing means, and a communication transceiver by the user using the user interfaces such as a public telephone 22, a mobile telephone 24, computer terminal 26 connected to modem 28, or computer network, which obviously teaches the corresponding parking facility includes a detector, a display, a keypad, a second mobile phone. Wherein the parking arrangement is achieved through the mobile phone or a wired phone and allows the parking toll to be included in a user's phone bill.

However, Zeitman fails to explicitly teach the meter having a keypad that allows the user to input a mobile phone number to activate the system after validated by the telephone company.

Hjelmvik teaches a vehicle parking system used with a mobile telephone. The vehicle parking system includes a pay meter 1 having a keypad 3 that allows the user to input user specific reference. The user connects the parking system with the aid of telephone and the pay meter is activated to accept the payment data of the parking from the user. The system include a database that stores the user's payment data of the parking with the user specific reference, e.g., the mobile telephone number, a personal code (PIN), or the vehicle registration number, which is used to collect the parking charges from the user. When the user connects himself/herself to the system using the number of the telephone, the telephone number is delivered to the server 5. The user specific reference validates billing of the parking fee on the

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user's payment data and allows the user to activate the system after validated. Hjelmvik teaches that user specific reference may alternatively be entered via the keyboard 3.

It would have been obvious to an artisan of ordinary skill in the art at the time the invention was made to incorporate the pay meter having a keypad 3 that allows the user to manually input user specific reference data, as taught by Hjelmvik in the system of Zeitman in order for the user to manually enter the user mobile phone number from the pay meter without the physically using the user's mobile phone. Such modification would have allowed the user to obtain the same parking arrangement that is achieved through the mobile phone number (i.e., allowed the parking toll to be included in a user's phone bill) without actually utilization of the user's phone.

Allowable Subject Matter

5. Claims 5-6 and 10 are allowed.

6. The following is a statement of reasons for the indication of allowable subject matter: The best prior art of the record fails to teach or fairly suggest the specifics of the parking lot toll arrangement, i.e., a host having a low carrier frequency device, a first digital coder/decoder connected to a mobile phone communication box through a cable, an entrance monitor at the entrance of the parking lot including a first card reader, first display, a first processor, and a voicer, an exit monitor in communication with the host including third processor, display, an infrared detector, a second low frequency device, and a second digital CODEC, as set forth in the claims.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to D. I. Lee whose telephone number is 703-306-3427. The examiner can normally be reached on Monday through Thursday from 5:30 AM to 4:00 PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael G. Lee can be reached on 703-305-3503. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

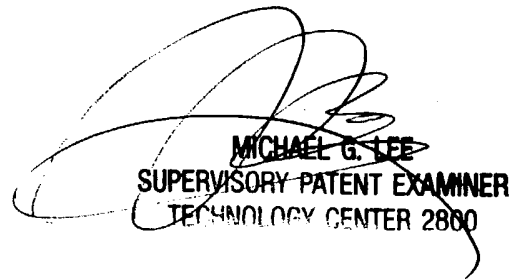
Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0956.

Note: After January 15, 2004, the examiner can be reached on 571-272-2399 and the examiner's supervisor, Michael G. Lee can be reached on 571-272-2398.



D. I. Lee
Primary Examiner
Art Unit 2876

D. L.



MICHAEL G. LEE
SUPERVISORY PATENT EXAMINER
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